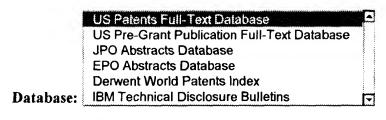
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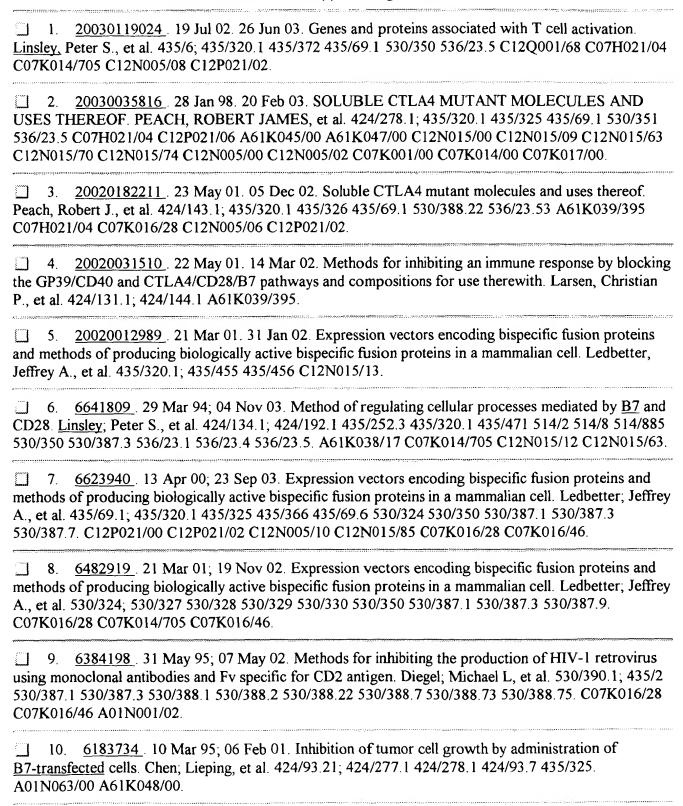
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END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 10 of 31 returned.



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epitopes. Linsley, Peter S., et al. 530/387.7; 424/155.1 424/156.1 424/157.1 424/174.1 435/330 435/34

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B7A	159
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L6: Entry 17 of 29

File: USPT

Oct 19, 1999

US-PAT-NO: 5968510

DOCUMENT-IDENTIFIER: US 5968510 A

TITLE: CTLA4 receptor and uses thereof

DATE-ISSUED: October 19, 1999

INVENTOR - INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Linsley; Peter S.	Seattle	WA		
Ledbetter; Jeffrey A.	Seattle	WA		
Damle; Nitin K.	Hopewell	NJ		
Brady; William	Bothell	WA		
Kiener; Peter A.	Edmonds	WA		

CLAIMS:

What is claimed is:

1. A method for regulating CTLA4 positive T cell interactions with $\underline{B7}$ positive B cells comprising contacting CTLA4-positive T cells with a monoclonal antibody, Fab or F(ab').sub.2 fragments reactive with CTLA4 thereby inhibiting interaction of CTLA4-positive T cells with $\underline{B7}$ positive B cells and thus regulating CTLA4-positive T cell interactions with $\underline{B7}$ positive B cells.

L6: Entry 20 of 29

File: USPT

Mar 23, 1999

US-PAT-NO: 5885579

DOCUMENT-IDENTIFIER: US 5885579 A

TITLE: CTLA4 receptor and uses thereof

DATE-ISSUED: March 23, 1999

INVENTOR - INFORMATION:

NAME	CITY	STATE	ZIP	CODE	COUNTRY
Linsley; Peter S.	Seattle	WA			
Ledbetter; Jeffrey A.	Seattle	WA			
Damle; Nitin K.	Hopewell	NJ			
Brady; William	Bothell	WA			
Kiener; Peter A.	Edmonds	WA			

US-CL-CURRENT: <u>424/192.1</u>; <u>424/133.1</u>, <u>424/141.1</u>, <u>435/69.1</u>, <u>435/69.7</u>, <u>435/7.2</u>, <u>514/12</u>, 514/2, 530/350, 530/387.1, 530/866, 530/868

CLAIMS:

What is claimed is:

- 1. A method for regulating functional CTLA4 positive T cell interactions with B7 positive cells comprising contacting the B7 positive cells with a ligand for the B7 antigen, in a amount effective to interfere with reaction of endogenous B7 antigen with CTLA4, wherein the ligand is a soluble CTLA4 molecule.
- 2. The method of claim 1, wherein said B7 positive cells are B cells.
- 3. The method of claim 1, wherein the interaction of said CTLA4-positive T cells with said B7 positive cells is inhibited.
- 4. A method for treating immune system diseases mediated by T cell interactions with B7 positive cells comprising administering to a subject a ligand for B7 antigen, in an amount effective to regulate T cell interactions with said B7 positive cells.
- 5. The method of claim 4, wherein said T cell interactions are inhibited.
- 6. A method for regulating functional CTLA4 positive T cell interactions with B7 positive cells comprising contacting the B7 positive cells with a ligand for the B7 antigen to interfere with reaction of endogenous B7 antigen, in an amount effective with CTLA4, wherein the ligand is CTLA4-E7.
- 7. A method for regulating functional CTLA4 positive T cell interactions with B7 positive cells comprising contacting the B7 positive cells with a ligand for the B7 antigen to interfere with reaction of endogenous B7 antigen, in an amount effective with CTLA4, wherein the ligand is CTLA4-p97.
- 8. A method for regulating functional CTLA4 positive T cell interactions with B7 positive cells comprising contacting the B7 positive cells with a ligand for the B7 antigen to interfere with reaction of endogenous B.sup.17 antigen, in an amount effective with CTLA4, wherein the ligand is CTLA4-env gp120.
- 9. A method for treating immune system diseases mediated by T cell interactions with B7 positive cells comprising administering to a subject a ligand for the B7

- antigen, in an amount effective to regulate T cell interactions with said B7 positive cells, wherein the ligand is CTLA4-E7.
- 10. A method for treating immune system diseases mediated by T cell interactions with B7 positive cells comprising administering to a subject a ligand for the B7 antigen, in an amount effective to regulate T cell interactions with said B7 positive cells, wherein the ligand is CTLA4-P97.
- 11. A method for treating immune system diseases mediated by T cell interactions with B7 positive cells comprising administering to a subject a ligand for the B7 antigen, in an amount effective to regulate T cell interactions with said B7 positive cells, wherein the ligand is CTLA4-env gp120.

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L6: Entry 24 of 29

File: USPT

Jun 23, 1998

US-PAT-NO: 5770197

DOCUMENT-IDENTIFIER: US 5770197 A

TITLE: Methods for regulating the immune response using B7 binding molecules and IL4-binding molecules

DATE-ISSUED: June 23, 1998

INVENTOR - INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Linsley; Peter S.	Seattle	WA		
Ledbetter; Jeffrey A.	Seattle	WA		
Damle; Nitin K.	Renton	WA		
Brady; William	Bothell	WA		
Wallace; Philip M.	Seattle	WA		

US-CL-CURRENT: <u>424/134.1</u>; <u>424/139.1</u>, <u>424/144.1</u>, <u>424/192.1</u>, <u>424/810</u>, <u>435/69.7</u>, <u>530/350</u>, 530/388.7, 530/868

CLAIMS:

What is claimed is:

- 1. A method for <u>suppressing</u> an immune response comprising contacting <u>B7-positive</u> lymphocytes with a <u>B7-binding</u> molecule and an IL4-binding molecule, wherein an immune response is thereby suppressed.
- 2. The method of claim 1, wherein the immune response is a B cell response.
- 3. The method of claim 1, wherein the immune response is a T cell response.
- 4. A method for <u>inhibiting</u> tissue transplant rejection by a subject, the subject being a recipient of transplanted tissue, which method comprises administering to the subject a <u>B7-binding</u> molecule and an IL4-binding molecule so a primary and secondary immune response is <u>suppressed</u> thereby inhibiting tissue transplant rejection by the subject.
- 5. A method for <u>inhibiting</u> graft versus host disease in a subject which method comprises administering to the subject a <u>B7-binding</u> molecule and an IL4-binding molecule so a primary and secondary immune response is <u>suppressed thereby</u> inhibiting tissue transplant rejection by the subject.
- 6. The method of claim 1, 4, or 5, wherein the B7-binding molecule is a CTLA4Ig fusion protein.
- 7. The method of claim 6, wherein the CTLA4Ig fusion protein is a fusion protein having a first amino acid sequence containing amino acid residues from position 1 to position 125 of the amino acid sequence corresponding to the extracellular domain of CTLA4 and a second amino acid sequence containing amino acid residues corresponding to the hinge, CH2 and CH3 regions of human immunoglobulin C.gamma.1.
- 8. The method of claim 1, 4, or 5, wherein the B7-binding molecule is a CD28Ig/CTLA4Ig fusion protein hybrid.
- 9. The method of claim 8, wherein the CD28Ig/CTLA4Ig fusion protein hybrid is a fusion protein hybrid having a first amino acid sequence consisting of a portion

- of the extracellular domain of CD28 receptor which portion binds B7 fused to a second amino acid sequence consisting of a portion of the extracellular domain of CTLA4 receptor which portion binds B7 and a third amino acid sequence of the hinge, CH2 and CH3 regions of human immunoglobulin C.gamma.1.
- 10. The method of claim 1, 4, or 5, wherein the IL4-binding molecule is a monoclonal antibody which specifically recognizes and binds to IL4.
- 11. The method of claim 1, 4, or 5, wherein the IL4-binding molecule is a soluble IL4 receptor which recognizes and binds to IL4.

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